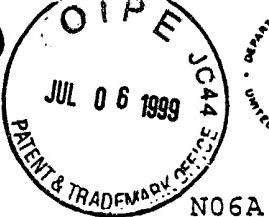


DATE: 01/09/95
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ASSIGNOR:
BACKSTROM, KJELL GORAN ERIK

DOC DATE: 08/16/94

ASSIGNOR:
DAHLBACK, CARL MAGNUS OLOF

DOC DATE: 08/18/94

ASSIGNOR:
EDMAN, PETER

DOC DATE: 08/25/94

ASSIGNOR:
JOHANSSON, ANN CHARLOTTE

DOC DATE: 08/23/94

RECORDATION DATE: 09/06/94 NUMBER OF PAGES 003 REEL/FRAME 7231/0628

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
AB ASTRA
S-151
85 SODERTALJE, SWEDEN

SERIAL NUMBER 8-265372 FILING DATE 06/23/94
PATENT NUMBER ISSUE DATE 00/00/00

L. S. Richardson
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

| |
|-------------------------------|
| Initials Required |
| Reviewed by Justice Systems |
| Initials: <i>lrb</i> |
| Reviewed by Billing Secretary |
| Initials: <i>cab</i> |



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Commissioner of Patents and Trademarks: Please record the attached original document.

1. Name of conveying party(ies):
Kjell Göran Erik Bäckström, Carl Magnus Olof
Dahlbäck, Peter Edman, Ann Charlotte Birgit
Johansson

2. Name and address of receiving party(ies):
AB Astra
S-151
85 Sodertalje, Sweden

Additional name(s) attached? Yes No

Additional names/addresses attached? Yes No

3. Nature of conveyance:
 Assignment
 Merger
 Security Agreement
 Change of Name
 Other:

Execution Date: August 16, 1994, August 18,
1994, August 25, 1994, August 23, 1994

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):

08/265,372

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name/address of party to whom correspondence
concerning document should be mailed:

Janis K. Fraser
Fish & Richardson
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

Enclosed

Authorized to charge deposit account

8. Deposit account number: 06-1050

If the fee above is being charged to deposit
account, a duplicate copy of this cover sheet is
attached. Please apply any additional charges, or
any credits, to our Deposit Account No. 06-1050.

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9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct
and the attached is the original document.

Janis K. Fraser, Esq.
Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 3

93724018

040 AH 09/13/94 08265372

Date of Deposit: September 1, 1994
I hereby certify under 37 CFR 1.8(a) that this correspondence
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above and is addressed to the Commissioner of Patents and
Trademarks, Washington, D.C. 20231.

1 581 40-0018

Cheryl Ann Brawley
Cheryl Ann Brawley

ASSIGNMENT

For valuable consideration, we, Kjell Göran Erik Bäckström, of Lund, Sweden; Carl Magnus Olof Dahlbäck of Lund, Sweden; Peter Edman of Bjärred, Sweden; and Ann Charlotte Birgit Johansson of Lund, Sweden; hereby assign to AB Astra, a Sweden corporation having a place of business at Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent Serial No. 08/265,372, filed June 23, 1994, entitled THERAPEUTIC PREPARATION FOR INHALATION

this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund,
this 16th day of August, 1994

Kjell Göran Erik Bäckström _____ L.S.
Inventor's Name: KJELL GÖRAN ERIK BÄCKSTRÖM

Witnessed by: Eva Brodenfeldt _____
Name: Eva Brodenfeldt _____ Date: August 16, 1994

Witnessed by: Elisabet Lindqvist _____
Name: Elisabet Lindqvist _____ Date: August 16, 1994

IN WITNESS WHEREOF, I hereto set my hand and seal at _____

this 18th day of August, 1994



Inventor's Name:

CARL MAGNUS OLOF DAHLBÄCK

L.S.

Witnessed by:

Name: Margit Rydöf

Date: 94 08 18

Witnessed by:

Name: Ola Norbrink

Date: 94 08 18

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Helsingör

this 25th day of August, 1994

L.S.

Inventor's Name: PETER EDMAN

Witnessed by:

Name: Ingela-Lise Thors

Date: 94 08 25

Witnessed by: Brittitta Andersson

Name: BIRGITA ANDERSSON

Date: 94 08 25

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund

this 23rd day of August, 1994

L.S.

Inventor's Name: ANN CHARLOTTE BIRGIT JOHANSSON

Witnessed by: Henri Hansson

Name: Henri Hansson

Date: 94 08 23

Name: Helena Linden

Date: 94 08 23

SEP - 6 94



DATE: 11/10/94

TO:

N04C

JANIS K. FRASER
FISH & RICHARDSON
225 FRANKLIN STREET
BOSTON, MA 02110-2804

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ASSIGNOR: BACKSTROM, KJELL GORAN ERIK DOC DATE: 08/16/94

ASSIGNOR: DAHLBACK, CARL MAGNUS OLOF DOC DATE: 08/18/94

ASSIGNOR: EDMAN, PETER DOC DATE: 08/25/94

ASSIGNOR: JOHANSSON, CHARLOTTE BIRGIT DOC DATE: 08/23/94

RECORDATION DATE: 09/06/94 NUMBER OF PAGES 003 REEL/FRAME 7171/0415

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:

AB ASTRA
S-151
85 SODERTALJE, SWEDEN

SERIAL NUMBER 8-265371 FILING DATE 06/23/94
PATENT NUMBER ISSUE DATE 00/00/00

* No Cocketting Required *
Reviewed By Practice Systems
Initials: *EWD*
Reviewed By Billing Secretary
Initials: *Cab*

Keller - 11/10/94
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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1994 Name of conveying party(ies):

Kjell Göran Erik Bäckström, Carl Magnus Olof
Danibäck, Peter Edman, Ann Charlotte Birgit
Johansson

Additional name(s) attached? Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other:

Execution Date: August 16, 1994, August 18,
1994, August 25, 1994, August 23, 1994

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:

A. Patent Application No.(s):

08/265,371

Additional names/addresses attached? Yes No

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SEP 14 1994

APPLICATION DIVISION

Additional numbers attached? Yes No

5. Name/address of party to whom correspondence
concerning document should be mailed:

Janis K. Fraser
Fish & Richardson
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

- Enclosed
- Authorized to charge deposit account

8. Deposit account number: 06-1050

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93708328

9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct
and the attached is the original document.

Janis K. Fraser, Esq.

Name of Person Signing

Signature

Date

Aug. 31, 1994

Total number of pages including cover sheet, attachments, and document: 3

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Date of Deposit September 1, 1994
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Trademarks, Washington, D.C. 20231.

Cheryl Ann Brawley
Cheryl Ann Brawley

OBO WL 09/13/94 08265371

ASSIGNMENT

For valuable consideration, we, Kjell Göran Erik Bäckström, of Lund, Sweden; Carl Magnus Olof Dahlbäck of Lund, Sweden; Peter Edman of Bjärred, Sweden; and Ann Charlotte Birgit Johansson of Lund, Sweden; hereby assign to AB Astra, a Sweden corporation having a place of business at Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent Serial No. 08/265,371, filed June 23, 1994, entitled SYSTEMIC ADMINISTRATION OF A THERAPEUTIC PREPARATION

this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund,
this 16th day of August, 1994

Kjell Göran Erik Bäckström L.S.
Inventor's Name: KJELL GÖRAN ERIK BÄCKSTRÖM

Witnessed by: Eva Fredrikfeldt
Name: Eva Fredrikfeldt Date: August 16, 1994

Witnessed by: Elisabet Linclavist
Name: Elisabet Linclavist Date: August 16, 1994

IN WITNESS WHEREOF, I hereto set my hand and seal at _____
this 18th day of August, 1994

Carl Magnus Olof Dahlbäck

Inventor's Name:

CARL MAGNUS OLOF DAHLBÄCK

L.S.

Witnessed by:

Name: Margit Prytz

JUL 06 1994

Date: 94.08.18

PATENT & TRADEMARK OFFICE
COPENHAGEN

Witnessed by:

Name: Ole Herbringu

Date: 94 08 18

* * *

IN WITNESS WHEREOF, I hereto set my hand and seal at Mölnadal
this 25th day of August, 1994

Peter Edman

Inventor's Name:

PETER EDMAN

L.S.

Witnessed by:

Name: Vera Hellström

Date: 940825

Witnessed by:

Name: Birgitta Andersson

Date: 94-08-25

* * *

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PATENT & TRADEMARK OFFICE

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund

this 23rd day of August, 1994

SEP 6 94

Ann Charlotte Birgit Johansson

Inventor's Name: ANN CHARLOTTE BIRGIT JOHANSSON

L.S.

Witnessed by:

Name: Henri Hansson

Date: 940823

Witnessed by:

Name: Helena Lindström

Date: 940823

DATE: 11/14/94
TO:



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231

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225 FRANKLIN STREET
BOSTON, MA 02110-2804

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ASSIGNOR: BACKSTROM, KJELL GORAN ERIK DOC DATE: 08/16/94

ASSIGNOR: DAHLBACK, CARL MAGNUS OLOF DOC DATE: 08/18/94

ASSIGNOR: EDMAN, PETER DOC DATE: 08/25/94

ASSIGNOR: JOHANSSON, ANN CHARLOTTE BIRGIT DOC DATE: 08/23/94

RECORDATION DATE: 09/06/94 NUMBER OF PAGES 003 REEL/FRAME 7172/0512

DIGEST : ASSIGNMENT OF ASSIGNORS INTEREST

ASSIGNEE:
AB ASTRA
S-151, 85 SODERTALJE, SWEDEN

SERIAL NUMBER 8-265237 FILING DATE 06/23/94
PATENT NUMBER ISSUE DATE 00/00/00

Nicole Scott
EXAMINER/PARALEGAL
ASSIGNMENT BRANCH
ASSIGNMENT/CERTIFICATION SERVICES DIVISION

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| • No Docketing Required • | |
| Reviewed By Practice Systems | |
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| Reviewed by Billing Secretary | |
| Initials: | <i>[Signature]</i> |

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Attorney Docket No.: 06275

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1994

Name of conveying party(ies):

Magnus Erik Bäckström, Carl Magnus Olof Dahlback, Peter Edman, Ann Charlotte Birgit Johansson

Additional name(s) attached? Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other

Execution Date: August 16, 1994, August 18, 1994, August 25, 1994, August 23, 1994

4. Application number(s) or patent number(s):

If this document is being filed with a new application, the execution date of the application is:
A. Patent Application No.(s):

08/265,237

(2) Name and address of receiving party(ies):
AB Astra
S-151
85 Södertälje, Sweden

Additional names/addresses attached? Yes



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APPLICATION DIVISION

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Additional numbers attached? Yes No

5. Name/address of party to whom correspondence concerning document should be mailed:

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Fish & Richardson
225 Franklin Street
Boston, MA 02110-2804

6. Total number of applications/patents involved: 1

7. Total fee (37 CFR 3.41): \$40

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- Authorized to charge deposit account

8. Deposit account number: 06-1050

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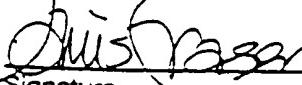
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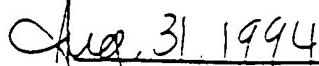
93708916

9. Statement and signature: To the best of my knowledge and belief, the foregoing information is true and correct and the attached is the original document.

Janis K. Fraser, Esq.

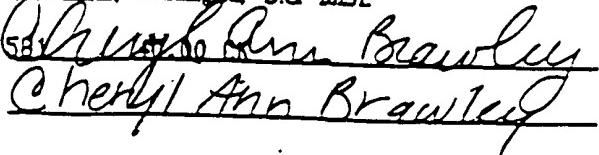
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Signature


Date

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1 
Cheryl Ann Brawley

040 AH 09/13/94 08265237

ASSIGNMENT

For valuable consideration, we, Kjell Göran Erik Bäckström, of Lund, Sweden; Carl Magnus Olof Dahlbäck of Lund, Sweden; Peter Edman of Biärred, Sweden; and Ann Charlotte Birgit Johansson of Lund, Sweden; hereby assign to AB Astra, a Sweden corporation having a place of business at Södertälje, Sweden, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent Serial No. 08/265,237, filed June 23, 1994 entitled COMPOSITIONS FOR INHALATION

this assignment including said application, any and all United States and foreign patents, utility models and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, and design registrations and like rights of exclusio and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 16th day of August, 1994

Kjell Göran Erik Bäckström Lc

Inventor's Name: KJELL GÖRAN ERIK BÄCKSTRÖM

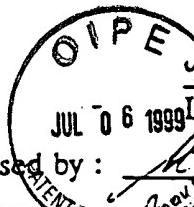
Witnessed by: Eva Brundin-Löf

Name: Eva Brundin-Löf Date: August 16, 1994

Witnessed by: Elisabet Lindqvist

Name: Elisabet Lindqvist Date: August 16, 1994

IN WITNESS WHEREOF I hereto set my hand and seal at Lund
this 18th day of August, 1994



Witnessed by: Hans Petter Prys

Name: Hans Petter Prys

Date: 94.08.18

Witnessed by: Heillehals

Name: Ole Norbrink

Date: 940818

IN WITNESS WHEREOF, I hereto set my hand and seal at Malmö
this 25th day of August, 1994

Peter Edman

Witnessed by: Jeanette Lönngren

Name: Jeanette Lönngren

Date: 940825

Witnessed by: Birgitta Andersson

Name: Birgitta Andersson

Date: 94-08-25

IN WITNESS WHEREOF, I hereto set my hand and seal at Lund
this 23rd day of August, 1994

Ann Charlotte Birgit Johansson

Inventor's Name: ANN CHARLOTTE BIRGIT JOHANSSON

Witnessed by: Henri Hansson

Name: Henri Hansson

Date: 940823

Witnessed by: Helena Linden

Name: Helena Linden

Date: 940823

SEP - 6 94

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